



Form PTO-1449

U.S. Department of Commerce
Patent and Trademark OfficeAtty. Docket No.
1256-00765Appln. No.:
09/671,222

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use several sheets if necessary)

Applicant
Hector F. DeLuca et alFiling Date
May 31, 2001Group Art Unit
1614Sheet 3 of 3
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BB		Posner et al, "Stereocontrolled Synthesis of a Trihydroxylated A Ring as an Immediate Precursor to $1\alpha,2\alpha,25$ -Trihydroxyvitamin D ₃ ," J. Org. Chem. 56, pp. 4339-4341, April 15, 1991.
		Posner et al, "2-Fluoroalkyl A-Ring Analogs of 1,25-Dihydroxyvitamin D ₃ . Stereocontrolled Total Synthesis via Intramolecular and Intermolecular Diels-Alder Cycloadditions. Preliminary Biological Testing," J. Org. Chem., 1995, 60, pages 4617-4628
		Sarandeses et al, "Synthesis of $1\alpha,25$ -Dihydroxy-19-Norprevitamin D ₃ ," Tetrahedron Letters, pp. 5445-5448, April 1992.
BB		Sicinski, Rafal R. et al, "New $1\alpha,25$ -Dihydroxy-19-norvitamin D ₃ Compounds of High Biological Activity: Synthesis and Biological Evaluation of 2-Hydroxymethyl, 2-Methyl, and 2-Methylene Analogues," J. Med. Chem., 1998, 41, pages 4662-4672

EXAMINER

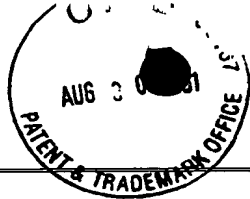
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*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to client.

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Form PTO-1449	U.S. Department of Commerce Patent and Trademark Office	Atty. Docket No. 1256-00765	Appl. No.: 09/671,227
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)		Applicant Hector F. DeLuca et al	
		Filing Date May 31, 2001	Group Art Unit 1614

FOREIGN PATENT DOCUMENTS								
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							Yes	No
B13		EP516410	12-02-82	Europe				
		EP474517	11-03-92	Europe				
		EP387077	09-12-90	Europe				
		EP184206	12-04-85	Europe				
B13		WO9601811	01-25-96	PCT				

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)		
B13		Baggiolini et al, "Stereocontrolled Total Synthesis of 1 α ,25-Dihydroxycholecalciferol and 1 α ,25-Dihydroxyerocalciferol," J. Org. Chem., 51, pp. 3098-3108, 1986.
		Bouillon et al, "Biologic Activity of Dihydroxylated 19-Nor-(Pre)Vitamin D ₃ ," Bioactivity of 19-Nor-Pre D, Vol. 8, No. 8, pp. 1009-1015, 1993.
		Chemical Abstracts, "Chemistry of Synthetic High Polymers," Vol. 110, No. 10, March 6, 1989.
		Chemical Abstracts, "2 β -Substituted Vitamin D Derivatives," Vol. 121, No. 21, November 21, 1994.
		Kiegiel et al, "Chemical Conversion of Vitamin D ₃ to its 1,25-Dihydroxy Metabolite," Tetrahedron Letters, Vol. 31, No. 43, pp. 6057-6060, 1991.
		Okano et al, "Regulatory Activities of 2 β -(3-Hydroxypropoxy)-1 α ,25-Dihydroxy-Vitamin D ₃ . A Novel Synthetic Vitamin D ₃ Derivative, on Calcium Metabolism," Biochemical and Biophysical Research Communications, Vol. 163, No. 3, pp. 1444-1449, September 29, 1989.
B13		Perlman et al, "1 α ,25-Dihydroxy-19-Nor-Vitamin D ₃ . A Novel Vitamin D-Related Compound with Potential Therapeutic Activity," Tetrahedron Letters, Vol. 31, No. 13, pp. 1823-1824, February 1990.



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U.S. PATENT DOCUMENTS							
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF PPROPRIATE
BB		5,945,410 ✓	08-31-99	DeLuca et al	514	167	
		5,936,133 ✓	08-10-99	DeLuca et al	568	828	
		5,877,168 ✓	03-02-99	Miyamoto et al	514	167	
		5,849,726 ✓	12-15-98	Brenner	514	108	
		5,846,960 ✓	12-08-98	Labrie	514	169	
		5,843,928 ✓	12-01-98	DeLuca et al	514	167	
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		5,587,497	12-24-96	DeLuca et al	552	653	
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BB		4,666,634	05-19-87	Miyamoto et al	260	397	

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